



**LC173
Polyester Prepreg**

LC173 is a polyester prepreg resin designed to meet the rigid requirements of Mil-R-7575C, Grade A. It is used in structural as well as electrical applications, such as radomes. It has good corrosion resistance to non-oxidizing acids, organic acids and corrosive salts. LC173 is flame retardant.

Properties of LC173-7781 E-glass Fabric

Tensile Strength, psi	62,000
Tensile Modulus, psi	3,600,000
Tensile Strain at Failure, %	2.4
Flexural Strength, psi	79,000
Flexural Modulus, psi	3,600,000
Interlaminar Shear Strength, psi	5,200
Barcol Hardness	55
Water Absorption, (24 hr immersion)	0.3 % wt. gain
Flammability (Fed-STD-406, Method 2021, inches/min)	1.0 max
Dielectric Constant (8,500 to 10,000 mhz)	4.6
Loss Tangent (8,500 to 10,000 mhz)	.0175

PROCESS INFORMATION LC173

5°F/Minute Ramp to 285°F (Part Temperature)
Hold for 60 to 90 minutes.
Cool to Less Than 180°F at 3°F to 5°F/Minute
Release Pressure/Vacuum and Demold

Recommended Storage

- Room Temperature (77° F)	Two (2) Weeks
- 40° F	Four (4) Months
- 0° F	Six (6) Months

NOTE: The data presented herein has been developed under controlled manufacturing and test conditions and is considered accurate. No warranty is expressed or implied regarding the accuracy or use of this data or the use of this product. It is the responsibility of the end user to determine suitability for use.